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**United States Patent** [19]**Hillenmayer**[11] **Patent Number:** **5,719,936**[45] **Date of Patent:** **Feb. 17, 1998**[54] **COMMUNICATION DEVICE FOR MOBILE OPERATION HAVING A TELEPHONE AND NOTEBOOK WITH DISPLAY**[75] **Inventor:** **Stefan Hillenmayer**, Munich, Germany[73] **Assignee:** **Siemens Aktiengesellschaft**, Munich, Germany[21] **Appl. No.:** **609,963**[22] **Filed:** **Feb. 29, 1996**[30] **Foreign Application Priority Data**

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[51] **Int. Cl.<sup>6</sup>** ..... **H04M 1/00**[52] **U.S. Cl.** ..... **379/447; 379/428; 379/440; 379/433; 455/403; 455/575**[58] **Field of Search** ..... 379/428, 440, 379/433, 447, 426, 56, 58, 110; 455/90, 74, 95, 128, 403; 364/708.1, 705.5, 705.03, 705.01[56] **References Cited****U.S. PATENT DOCUMENTS**

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[57]

**ABSTRACT**

A communication device for mobile operation is equipped with a telephone as well as with a notebook with a display. Prior art devices have a housing in "pocket format" and a practically unrestricted mobility only with a greatly restricted range of functions, for example the lack of an integrated telephone part. Further, the built-in computers are usually only designed as "notepads" without a keyboard. The communication device (1) for mobile operation has a telephone and a notebook with a touch-sensitive display (3) that is accommodated in a pocket-format device housing (3) composed of two sub-sections (9,10) connected to one another at a swivelling axis (8). The telephone and the display (3) are accommodated in one sub-section (10), whereas the other sub-section (9) holds an alphanumerical keyboard (14) accessible to the user. The telephone, at least a part (2) thereof that serves as a handset and that is movable, can be wirelessly separated from the device when the communication device (1) is in its unfolded condition. The simultaneous operation of the telephone and the notebook is possible with the display also serving as the telephone keyboard.

**20 Claims, 5 Drawing Sheets**